ELSEVIER

Information Processing Letters 80 (2001) 317–318

Information Processing Letters

www.elsevier.com/locate/ipl

Subject Index — Volume 80 (2001)

μCRL	33, 59
ω-trajectory	139
Algorithmical approximation	171
Algorithms	87, 171, 213, 249, 279, 299
All-optical networks	249
Alternator	159
Ambient calculus	265
Analysis of algorithms	179, 221
Approximate algorithms	179
Approximation algorithms	305
Availability	205
BCH codes	299
Bioinformatics	25
Bit-vector algorithm	279
Branching-linear spectrum	51
Chain code	119
Checkpoint	105
Clock synchronization	151
Clustering algorithms	87
Coloring	159
Combinatorial problems	213
Communication-induced checkpointing protocol	105
Compact suffix automaton	165
Comparison based dictionaries	243
Computational biology	81
Computational complexity	257
Computational geometry	81, 311
Concurrency	15, 51, 159, 189
Conditional composition	41
Continuous media	225
Convexification of polygons	81
Cryptanalysis	67, 239, 295
Cryptography	113, 239, 261, 295
Databases	87
Data structures	165, 233, 271
Design of algorithms	159
Differential ratio	179
Digraphs	287
Disk array	225
Distinguished points	261
Distributed computing	105, 151
Distributed systems	205
Domino-effect freedom	105
Dynamic programming	279
Elliptic curve cryptography	261
Embedding	75
Equally-spaced collinear sequence	311
Equivalence of recursive specifications	59
Expressivity	145
Fault tolerance	159, 205
Finite field	261
First-order and higher-order nested datatypes	233
Five-valued logic	41
Formal languages	119, 125, 139, 145
Formal logic	131
Formal semantics	15, 131, 233
Functional programming	233
Functor categories	233
Generalized hypercube	151
Graph algorithms	287
Group-oriented authentication	113
Group signature	295
Hamiltonian cycle	75
Hamiltonian path	75
Hashing	271
Impersonation attack	113
Implicit data structure	243
Index construction	271
Infinite word	139
Information processing	165
Integer boundary constraint	97
Interconnection networks	75
Iterative algorithms	67
k-mutual exclusion	205
k-nearest neighbor query	195

0020-0190/2001 Published by Elsevier Science B.V.
PII: S0020-0190(01)00292-7

Key exchange 113
Keystream generator 67

Linkage reconfiguration 81
Location problem 287
Longest Common Subsequence 279
Lower bound 151
Lyndon word 239

Matching 221
Matroids 287
Maximal repeats 165
Mesh 311
Metrics 213
Motion planning 81
Multidimensional data sequences 87
Multi-dimensional index 195
Multimedia database 195

Operating system 225
Optimal precision 151

Parallel algorithms 311
Parallel fiber links 249
Parallel random access machine (PRAM) 311
Parsing theory 125
Path coloring 249
Performance ratio 179
Periodic tasks 97
Phase synchronization 159
Picture languages 119
Planar graphs 213
Polymer physics 81
Probabilistic approximations 213
Probabilistic process algebra 3
Process algebra 41, 59
Program derivation 233
Programming calculi 233
Protocol verification 33
Pyramid 75

Quantum computation 257
Quorum consensus 205

Reactive systems 3
Real-time systems 97
Recursive probabilities 67
Reductions 179
Resource failure 3
Rollback-dependency trackability 105
ROM 299
Routing 249

Scalar clock 105
Scheduling 225, 305
Search 243
Self-stabilization 159
Self-stabilizing 221
Set constraints 145
Shuffle 139
Signature file 195
Simple orthogonal projections 81
Sound and complete axiomatization 3
Specification languages 15, 131
Splay trees 271
Static analysis 189
Step-by-step decoding method 299
Stochastic π-calculus 25
Stochastic simulation 25
Strong bisimulation 3

Text databases 271
Theory of computation 257, 265
Timed branching bisimulation 33
Timed transition systems 33
Topology 145
Tradeoff 243
Tree metrics 213
Type system 265

Uniform multiprocessors 97
Update 243

Verification 51
Vertex-connectivity 287
Visual languages 119

Workflow management system 189

ELSEVIER

Information Processing Letters 80 (2001) 319–321

Information Processing Letters

www.elsevier.com/locate/ipl

Author Index — Volume 80 (2001)

Baldoni, R., J.-M. Hélary, A. Mostéfaoui and **M. Raynal**, Impossibility of scalar clock-based communication-induced checkpointing protocols ensuring the RDT property 80 (2001) 105
Baruah, S., Scheduling periodic tasks on uniform multiprocessors 80 (2001) 97
Bergstra, J.A. and **A. Ponse**, Process algebra and conditional composition 80 (2001) 41
Bertsch, E. and **M.-J. Nederhof**, Size/lookahead tradeoff for LL(k)-grammars 80 (2001) 125
Biaz, S. and **J.L. Welch**, Closed form bounds for clock synchronization under simple uncertainty assumptions 80 (2001) 151
Boxer, L. and **R. Miller**, A parallel algorithm for approximate regularity 80 (2001) 311

Calvo, J.A., D. Krizanc, P. Morin, M. Soss and **G. Toussaint**, Convexifying polygons with simple projections 80 (2001) 81
Cazorla, D., F. Cuartero, V. Valero and **F.L. Pelayo**, A process algebra for probabilistic and nondeterministic processes 80 (2001) 15
Chan, H.W., see **Li, Z.C.** 80 (2001) 295
Chang, Y.-I. and **B.-H. Chen**, A generalized grid quorum strategy for k-mutual exclusion in distributed systems 80 (2001) 205
Chen, B.-H., see **Chang, Y.-I.** 80 (2001) 205
Chen, B.-W., see **Huang, S.-T.** 80 (2001) 159
Cheng, T.C.E., see **Wang, G.** 80 (2001) 305
Cheng, Y.-C., see **Lu, E.-H.** 80 (2001) 299
Chien, H.-Y., T.-C. Wu, J.-K. Jan and **Y.-M. Tseng**, Cryptanalysis of Chang–Wu's group-oriented authentication and key exchange protocols 80 (2001) 113
Chong, C.F., see **Li, Z.C.** 80 (2001) 295
Chow, K.P., see **Li, Z.C.** 80 (2001) 295
Chung, C.-W., see **Lee, S.-L.** 80 (2001) 87
Cleaveland, R., see **Philippou, A.** 80 (2001) 3
Costagliola, G., V. Deufemia, F. Ferrucci and **C. Gravino**, Decidability of the consistency problem for regular symbolic picture description languages 80 (2001) 119
Crochemore, M., C.S. Iliopoulos, Y.J. Pinzon and **J.F. Reid**, A fast and practical bit-vector algorithm for the Longest Common Subsequence problem 80 (2001) 279
Cuartero, F., see **Cazorla, D.** 80 (2001) 15

Dare, V.R., see **Kadrie, A.** 80 (2001) 139
Deufemia, V., see **Costagliola, G.** 80 (2001) 119

Ferrucci, F., see **Costagliola, G.** 80 (2001) 119

Gibbons, J., see **Martin, C.** 80 (2001) 233
Golić, J.Dj., A probabilistic cryptanalytic method for a time-variant permutation generator 80 (2001) 67
González Vasco, M.I. and **R. Steinwandt**, Clouds over a public key cryptosystem based on Lyndon words 80 (2001) 239
Gravino, C., see **Costagliola, G.** 80 (2001) 119
Green, F. and **R. Pruim**, Relativized separation of EQP from P^{NP} 80 (2001) 257
Guan, X., Y. Yang and **J. You**, Typing evolving ambients 80 (2001) 265

Han, D., see **Lee, M.** 80 (2001) 189
Hassin, R. and **S. Rubinstein**, Approximation algorithms for maximum linear arrangement 80 (2001) 171
Hedetniemi, S.T., D.P. Jacobs and **P.K. Srimani**, Maximal matching stabilizes in time $O(m)$ 80 (2001) 221
Heinz, S., see **Zobel, J.** 80 (2001) 271
Hélary, J.-M., see **Baldoni, R.** 80 (2001) 105
Heu, S., see **Park, D.-J.** 80 (2001) 195
Huang, S.-T. and **B.-W. Chen**, Optimal 1-fair alternators 80 (2001) 159
Hui, L.C.K., see **Li, Z.C.** 80 (2001) 295

Iliopoulos, C.S., see **Crochemore, M.** 80 (2001) 279
Ishii, T., see **Nagamochi, H.** 80 (2001) 287
Ito, H., see **Nagamochi, H.** 80 (2001) 287

Jacobs, D.P., see **Hedetniemi, S.T.** 80 (2001) 221
Jan, J.-K., see **Chien, H.-Y.** 80 (2001) 113

0020-0190/2001 Published by Elsevier Science B.V.
PII: S0020-0190(01)00293-9

Kadrie, A., **V.R. Dare**, **D.G. Thomas** and **K.G. Subramanian**, Algebraic properties of the shuffle over ω-trajectories 80 (2001) 139
Kim, D.W., see **Lee, H.W.** 80 (2001) 225
Kim, H.-J., see **Park, D.-J.** 80 (2001) 195
Konjevod, G., **R. Ravi** and **F.S. Salman**, On approximating planar metrics by tree metrics 80 (2001) 213
Krizanc, D., see **Calvo, J.A.** 80 (2001) 81

Lee, H.W., **D.W. Kim** and **C.-I. Park**, Phased RGSS: An improved disk array scheduling for continuous media retrieval 80 (2001) 225
Lee, I., see **Philippou, A.** 80 (2001) 3
Lee, M., **D. Han** and **J. Shim**, Set-based access conflict analysis of concurrent workflow definition 80 (2001) 189
Lee, S.-L. and **C.-W. Chung**, On the effective clustering of multidimensional data sequences 80 (2001) 87
Li, Z.C., **L.C.K. Hui**, **K.P. Chow**, **C.F. Chong**, **W.W. Tsang** and **H.W. Chan**, Security of Wang et al.'s group-oriented (t, n) threshold signature schemes with traceable signers 80 (2001) 295
Lu, E.-H., **S.-W. Wu** and **Y.-C. Cheng**, A decoding algorithm for triple-error-correcting binary BCH codes 80 (2001) 299

Mackenzie, L.M., see **Sarbazi-Azad, H.** 80 (2001) 75
Martin, C. and **J. Gibbons**, On the semantics of nested datatypes 80 (2001) 233
Mauw, S., see **Voorhoeve, M.** 80 (2001) 51
Miller, R., see **Boxer, L.** 80 (2001) 311
Monnot, J., The maximum f-depth spanning tree problem 80 (2001) 179
Morin, P., see **Calvo, J.A.** 80 (2001) 81
Mostéfaoui, A., see **Baldoni, R.** 80 (2001) 105

Nagamochi, H., **T. Ishii** and **H. Ito**, Minimum cost source location problem with vertex-connectivity requirements in digraphs 80 (2001) 287
Nederhof, M.-J., see **Bertsch, E.** 80 (2001) 125
Nielson, F., **H. Riis Nielson** and **M. Sagiv**, Kleene's Logic with Equality 80 (2001) 131
Nomikos, C., **A. Pagourtzis** and **S. Zachos**, Routing and path multicoloring 80 (2001) 249

Ould-Khaoua, M., see **Sarbazi-Azad, H.** 80 (2001) 75

Pagourtzis, A., see **Nomikos, C.** 80 (2001) 249
Park, C.-I., see **Lee, H.W.** 80 (2001) 225
Park, D.-J., **S. Heu** and **H.-J. Kim**, The RS-tree: An efficient data structure for distance browsing queries 80 (2001) 195
Pelayo, F.L., see **Cazorla, D.** 80 (2001) 15
Philippou, A., **O. Sokolsky**, **I. Lee**, **R. Cleaveland** and **S.A. Smolka**, Hiding resources that can fail: An axiomatic perspective 80 (2001) 3
Pinzon, Y.J., see **Crochemore, M.** 80 (2001) 279
Ponse, A. and **Y.S. Usenko**, Equivalence of recursive specifications in process algebra 80 (2001) 59
Ponse, A., see **Bergstra, J.A.** 80 (2001) 41
Priami, C., **A. Regev**, **E. Shapiro** and **W. Silverman**, Application of a stochastic name-passing calculus to representation and simulation of molecular processes 80 (2001) 25
Pruim, R., see **Green, F.** 80 (2001) 257

Radhakrishnan, J. and **V. Raman**, A tradeoff between search and update in dictionaries 80 (2001) 243
Raffinot, M., On maximal repeats in strings 80 (2001) 165
Raman, V., see **Radhakrishnan, J.** 80 (2001) 243
Ravi, R., see **Konjevod, G.** 80 (2001) 213
Raynal, M., see **Baldoni, R.** 80 (2001) 105
Regev, A., see **Priami, C.** 80 (2001) 25
Reid, J.F., see **Crochemore, M.** 80 (2001) 279
Riis Nielson, H., see **Nielson, F.** 80 (2001) 131
Rubinstein, S., see **Hassin, R.** 80 (2001) 171

Sagiv, M., see **Nielson, F.** 80 (2001) 131
Salman, F.S., see **Konjevod, G.** 80 (2001) 213
Sarbazi-Azad, H., **M. Ould-Khaoua** and **L.M. Mackenzie**, Algorithmic construction of Hamiltonians in pyramids 80 (2001) 75
Seynhaeve, F., Set constraints and topology 80 (2001) 145
Shapiro, E., see **Priami, C.** 80 (2001) 25
Shim, J., see **Lee, M.** 80 (2001) 189
Silverman, W., see **Priami, C.** 80 (2001) 25
Smart, N.P., A note on the x-coordinate of points on an elliptic curve in characteristic two 80 (2001) 261
Smolka, S.A., see **Philippou, A.** 80 (2001) 3
Sokolsky, O., see **Philippou, A.** 80 (2001) 3
Soss, M., see **Calvo, J.A.** 80 (2001) 81
Srimani, P.K., see **Hedetniemi, S.T.** 80 (2001) 221
Steinwandt, R., see **González Vasco, M.I.** 80 (2001) 239
Subramanian, K.G., see **Kadrie, A.** 80 (2001) 139

Thomas, D.G., see **Kadrie, A.** 80 (2001) 139
Toussaint, G., see **Calvo, J.A.** 80 (2001) 81
Tsang, W.W., see **Li, Z.C.** 80 (2001) 295
Tseng, Y.-M., see **Chien, H.-Y.** 80 (2001) 113

Usenko, Y.S., see **Ponse, A.** 80 (2001) 59

Valero, V., see **Cazorla, D.** 80 (2001) 15
van der Zwaag, M.B., The cones and foci proof technique for timed transition systems 80 (2001) 33
Voorhoeve, M. and **S. Mauw**, Impossible futures and determinism 80 (2001) 51

Wang, G. and **T.C.E. Cheng**, Heuristics for two-machine no-wait flowshop scheduling with an availability constraint 80 (2001) 305
Welch, J.L., see **Biaz, S.** 80 (2001) 151

Williams, H.E., see **Zobel, J.** 80 (2001) 271
Wu, S.-W., see **Lu, E.-H.** 80 (2001) 299
Wu, T.-C., see **Chien, H.-Y.** 80 (2001) 113

Yang, Y., see **Guan, X.** 80 (2001) 265
You, J., see **Guan, X.** 80 (2001) 265

Zachos, S., see **Nomikos, C.** 80 (2001) 249
Zobel, J., S. Heinz and **H.E. Williams**, In-memory hash tables for accumulating text vocabularies 80 (2001) 271